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Enzymatic conversion of adenosine to **inosine** and to N1-methylinosine in transfer RNAs: A review

H Grosjean, S Auxilien, F Constantinesco, C Simon, ... - Biochimie, 1996 - Elsevier

... Here, we **review** our research on the formation of **inosine** ... with a purine-35, like in most **inosine**-34 containing ... loop or one of the several **base pairs** involved ...

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Thermodynamics of **base pairing**

DH Turner - Current Opinion in Structural Biology, 1996 - Elsevier

... within the annual period of **review**, have been ... resulting from guanosine replacements by **inosine**. ... riboside5-methylisocytidine wobble **base pair**: an isoenergetic ...

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DNA biosensors based on Peptide Nucleic Acid (PNA) recognition layers. A review

J Wang - Biosensors and Bioelectronics, 1998 - Elsevier

... This article **reviews** the structure and unique hybridization ... ppm of the 15-mer single **base** mismatch oligomer ... the use of guanine-free (**inosine**-substituted) PNA ...

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FUNCTIONS AND MECHANISMS OF RNA EDITING

JM Gott, RB Emerson - Annual Reviews in Genetics, 2000 - Annual Reviews

... pre-mRNAs and that intron-exon **base-pairing** interactions are ... The conversion of adenosine to **inosine** is catalyzed by ... Recent **reviews** of A-to-I editing substrates ...

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[HTML] •RNA Editing by Adenosine Deaminases That Act on RNA

BL Bass - Annual **review** of biochemistry, 2002 - pubmedcentral.nih.gov

... a method specifically developed to identify **inosine**-containing RNAs ... Below I **review** the phenotypes of animals ... within dsRNA that involves **base-pairing** between an ...

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Editing of messenger RNA precursors and of tRNAs by adenosine to **inosine** conversion

W Keller, J Wolf, A Gerber - FEBS Letters, 1999 - Elsevier

... the substitution of bases by modification (for **reviews** see [1 ... This underscores the importance of the **inosine** in the ... tRNAs to function as wobble **base** in codon ...

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Regulatory Sequences Involved in the Promotion and Termination of RNA Transcription

M Rosenberg, D Court - Annual Reviews in Genetics, 1979 - Annual Reviews

... The **base pairs** immediately preceding and following the mRNA startpoints also exhibit some ... it will use in the initiation reaction (for **review**, see Chamberlin ...

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Coordinating **properties** of the amide bond. Stability and structure of metal ion complexes of ...

H Sigel, RB Martin - Chemical Reviews, 1982 - pubs.acs.org

... Page 3. Coordinating **Properties** of the Amide Bond Chemical **Reviews**, 1982, Vol. 82, No. 4 387 ... B. Protonation The amide group is also a very weak **base**, for N- ...

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Hybridization **properties** of **base**-modified oligonucleotides within the double and triple helix motif

I Luyten, P Herdewijn - European Journal of Medicinal Chemistry, 1998 - Elsevier

... Abstract - In this **review** we describe the influence of modified nucleobases in order to understand the changes they introduce in ... **properties** / **base pairing** ...

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Adenosine-to-**inosine** conversion in mRNA

SM Rueter, RB Emeson - Modification and Editing of RNA, 1998 - books.google.com

... actually resulted from the enzymatic modification of specific adenosine residues to a nucleotide with guanosine-like **base pairing properties**, **inosine** in this ...

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Key authors: [B Bass](#) - [J Wang](#) - [R Emeson](#) - [J Gott](#) - [H Sigel](#)

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